

AATCTTTTATTTTATCGATGTTAACAAGCTTAGTAATCGATGCCACGTCGAGGGGTGTCGACC
CACGCGTCCGGGAGTAGGTTGAGCTCGCCTGTTCTCCCATTGTCAGCCAGTCTATTTCCAG
ATTGTTTGAACCTTCTCTGGCCGCACAATACAGGAAGGAAGACTAAAGCAGCAAAGGGACCTA
CAGCGTCTGCAGCATGGGCTGGTTAACTAGGATTGTCTGTCTTTTCTGGGGAGTATTACTTA
CAGCAAGAGCAAACCTATCAGAATGGGAAGAACAATGTGCCAAGGCTGAAATTATCCTACAAA
GAAATGTTGGAATCCAACAATGTGATCACTTTCAATGGCTTGGCCAACAGCTCCAGTTATCAT
ACCTTCCTTTTGGATGAGGAACGGAGTAGGCTGTATGTTGGAGCAAAGGATCACATATTTTC
ATTCGACCTGGTTAATATCAAGGATTTTCAAAGATTGTGTGGCCAGTATCTTACACCAGAAG
AGATGAATGCAAGTGGGCTGGAAAAGACATCCTGAAAGAATGTGCTAATTTTCATCAAGGTAC
TTAAGGCATATAATCAGACTCACTTGTACGCCTGTGGAACGGGGGCTTTTTCATCCAATTTGC
ACCTACATTGAAATTGGACATCATCCTGAGGACAATATTTTAAAGCTGGAGAACTCACATTTT
GAAAACGGCCGTGGGAAGAGTCCATATGACCCTAAGCTGCTGACAGCATCCCTTTTAAATAGA
TGGAGAATTATACTCTGGAAGTGCAGCTGATTTTATGGGGCGAGACTTTGCTATCTTCCGAA
CTCTTGGGCACCACCACCCAATCAGGACAGAGCAGCATGATTCCAGGTGGCTCAATGATCC
AAAGTTCATTAGTGCCACCTCATCTCAGAGAGTGACAATCCTGAAGATGACAAAGTATACTT
TTTCTTCCGTGAAAATGCAATAGATGGAGAACACTCTGGAAAAGCTACTCACGCTAGAATAG
GTCAGATATGCAAGAATGACTTTGGAGGGCACAGAAGTCTGGTGAATAAATGGACAACATTC
CTCAAAGCTCGTCTGATTTGCTCAGTGCCAGGTCCAAATGGCATTGACACTCATTTTGATGA
ACTGCAGGATGTATTCCTAATGAACTTTAAAGATCCTAAAAATCCAGTTGTATATGGAGTGTT
TACGACTTCCAGTAACATTTTCAAGGGATCAGCCGTGTGTATGTATAGCATGAGTGATGTGA
GAAGGGTGTTCTTGGTCCATATGCCACAGGGATGGACCCAACCTATCAATGGGTGCCTTAT
CAAGGAAGAGTCCCCTATCCACGGCCAGGAACTTGTCCCAGCAAAACATTTGGTGGTTTTGA
CTCTACAAAGGACCTTCCTGATGATGTTATAACCTTTGCAAGAAGTCATCCAGCCATGTACAA
TCCAGTGTTTCCTATGAACAATCGCCCAATAGTGATCAAAACGGATGTAAATTATCAATTTAC
ACAAATTGTCGTAGACCGAGTGGATGCAGAAGATGGACAGTATGATGTTATGTTTATCGGAA
CAGATGTTGGGACCGTTCTTAAAGTAGTTTCAATTCCTAAGGAGACTTGGTATGATTTAGAAG
AGGTTCTGCTGGAAGAAATGACAGTTTTTCGGGAACCGACTGCTATTTTCAGCAATGGAGCTT
TCCACTAAGCAGCAACAACTATATATTGGTTCAACGGCTGGGGTTGCCAGCTCCCTTTACA
CCGGTGTGATATTTACGGGAAAGCGTGTGCTGAGTGTTGCCTCGCCGAGACCCTTACTGT
GCTTGGGATGGTTCTGCATGTTCTCGCTATTTTCCCACTGCAAAGAGACGCACAAGACGACA
AGATATAAGAAATGGAGACCCACTGACTCACTGTTTCAGACTTACACCATGATAATCACCATG
GCCACAGCCCTGAAGAGAGAATCATCTATGGTGTAGAGAATAGTAGCACATTTTTTGAATGC
AGTCCGAAGTCGCAGAGAGCGCTGGTCTATTGGCAATTCCAGAGGCGAAATGAAGAGCGAA
AAGAAGAGATCAGAGTGGATGATCATATCATCAGGACAGATCAAGGCCTTCTGCTACGTAGT

Fig. 1A

CTACAACAGAAGGATTCAGGCAATTACCTCTGCCATGCGGTGGAACATGGGTTCATACAAAC
TCTTCTTAAGGTAACCCTGGAAGTCATTGACACAGAGCATTGGAAGAACTTCTTCATAAAGA
TGATGATGGAGATGGCTCTAAGACCAAAGAAATGTCCAATAGCATGACACCTAGCCAGAAGG
TCTGGTACAGAGACTTCATGCAGCTCATCAACCACCCCAATCTCAACACGATGGATGAGTTC
TGTGAACAAGTTTGGAAAAGGGACCGAAAACAACGTCGGCAAAGGCCAGGACATACCCAG
GGAACAGTAACAAATGGAAGCACTTACAAGAAAATAAGAAAGGTAGAAACAGGAGGACCCA
CGAATTTGAGAGGGCACCCAGGAGTGTCTGAGCTGCATTACCTCTAGAAACCTCAAACAAGT
AGAAACTTGCCTAGACAATAACTGGAAAAACAAATGCAATATACATGAACTTTTTTTCATGGCA
TTATGTGGATGTTTACAATGGTGGGAAATTCAGCTGAGTTCCACCAATTATAAATTAAATCCA
TGAGTAACTTTCCTAATAGGCTTTTTTTCCTAATACC (SEQ ID NO:1)

Fig. 1B

GACAACAGGTAGAAAAATTCCTGGGCTCAGGCTGGAGTGACACCCTTTTCTTTCCCTAACAT
CTTCTACTCAGATACCTAAATTTAAGATTCAGGACAGCTGTCCCCAACTCTTACCATGTCTTT

TATAACTTGCTCCTTAACTTGCCCAACCTGTAGGCTATCTCATTTTCTCGCTTCACTCTGCAA
GGTTTATAACATGATGAATTTAAATAC (SEQ ID NO:2)

GTGACCCACGCGTCCGCAGACCTAGTAGCTGTGGAAACCATGGCCCTGAGTGTCATGTGT
CTGGGCCTTGCCCTGCTTGGGGTCCTGCAGAGCCAGGCCAGGACTCAACTCAGAACTTGA
TCCCTGCCCCATCTCTGCTCACTGTCCCCCTGCAGCCAGACTTCCGGAGCGATCAGTTCCG
GGGCAGGTGGTACGTTGTGGGCCTGGCAGGCAATGCGGTCCAGAAAAAACAGAAGGCAG
CTTTACGATGTACAGCACCATCTATGAGCTACAAGAGAACAATAGCTACAATGTCACCTCCAT
CCTGGTCAGGGACCAGGACCAGGGCTGTCGCTACTGGATCAGAACATTTGTTCCAAGCTCC
AGGGCTGGCCAGTTCACCTCTGGGAAATATGCACAGGTATCCTCAGGTACAGAGCTACAATG
TGCAAGTGGCCACCACGGACTACAACCAGTTCGCCATGGTATTTTTCCGAAAGACTTCTGAA
AACAAGCAATACTTCAAATTACCCTGTATGGAAGAACCAAGGAGCTGTCCCCTGAACTGAA
GGAACGTTTTACCCGCTTTGCCAAGTCTCTGGGCCTCAAGGACGACAACATCATCTTCTCTG
TCTGTCTGCCACTCCATCTTTCCTGTTGCCAGAGAGCCACCTGGCTGCCCCACCAGCCACC
ATACCAAGGAGCATCTGGAGCCTCTTCTTATTTGGCCAGCACTCCCCATCCACCTGTCTTAA
CACCACCAATGGCGTCCCCTTTCTGCTGAATAAATACATGCCCCCAAAAAAAAAAAAAAAGG
GCGGCCGC (SEQ ID NO:3)

Fig. 3A

MALSVMCLGLALLGVLQSQAQDSTQNLIPAPSLTVPPLQPDFRSDQFRGRWYVVGLAGNAVQK
KTEGSFTMYSTIYELQENNSYNVTSILVRDQDQGCYRWIRTFVPSSRAGQFTLGNMHRYPQVQS
YNVQVATTDYNQFAMVFFRKTSENKQYFKITLYGRTKELSPELKERFTRFAKSLGLKDDNIIFSVC
LPLHLSCCQRATWLPHPQPPYQGASGASSYLASTPHPPVLTTPMASPFC (SEQ ID NO:4)

FIG.3B

CCCCTTTTGGTTTTGTTCTATCGACCCTAACAAGCTTAGTAATCGATGCCACTCGAGGCCAA
 GAATTCATTACGAGCCTGAGCTCCTTCGGCTTTTTCCCCCTTTTGCATCTTGTTCCCGGGA
 TACCTGCAACTCAAGGATGGATGCCCTGAGACTGGCAAATTCAGCTTTTGCTGTTGACTTGT
 TCAAACAACATATGTGAAAGGGACCCAGCAGGAAACATTCTCTCTCTCCAATATGCCTCTCTA
 CTTCTCTGTCCCTTGCGCAAGTGGGCACCAAAGGCGACACAGCAAATGAAATTGGACAGGT
 CCTTCATTTTGAGAATGTCAAAGATGTACCCTTTGGGTTTCAAACAGTCACTTCTGATGTTAA
 TAAGCTCAGTTCTTTTTACTCTTTGAACTTGTCAAGCGACTCTACATAGACAAATCTCTGAAC
 CCTTCTACAGAATTTATCAGTTCTACCAAAAAGACCATATGCAAAAGAATTGGAACTGTTGAC
 TTCAAAGACAACTGGAAGAAACGAAAGGTCAAATTAACAGCTCCATTAAGGAGCTCACAGA
 TGGCCACTTTGAGGACATTTTGTGAGAGAACAGTATAAGTGACCAGACCAAAATCCTTGTTG
 TTAATGCTGCCTACTTTGTTGGAAAGTGGATGAAGAAATTTCCGGAATCAGAAACAAAAGAAT
 GTCCTTTCAGAATCAGCAAGACAGACACCAAAACCCGTACAAATGATGAATCTTGAGGCCACT
 TTCTGCTTGGGTAACATTGATGACATCAGCTGTAAGATCATAGAACTTCCTTCCAGAATAAG
 CATCTGAGTATGCTCATTGTGCTCCCCAAGGACGTGGAGGATGAGTCCACAGGCCTGGAGA
 AGATTGAACAGCAACTCAACCCAGAAACATTGTTACAGTGGACCAACCCAGTACCATGGCC
 AATGCCAAAGTCAAACCTTCCCTCCCAAAGTTTAAGGTAGAAAAGATGATTGATCCCAAGGCT
 AGTCTGGAAAGCCTAGGGCTGAAAAGTCTCTTCAATGAAAGTACATCGGATTTCTCTGGAAT
 GTCAGAGACCAAGGGAGTGTCCCTGTCAAATGTGATTCATAGAGTATGCCTAGAAATAACCG
 AAGATGGTGGTGAGTCCATCGAGGTGCCAGGGTCCCGGATCTTACAGCACAAGGATGAATT
 CAATGCTGACCATCCATTTATTTATATCATTAGACACAACAAAACCTCGAAACATCATTTTCTTT
 GGCAAATTCTGTTCTCCTTAGCTGGCAGGGCCTTGCCAAGTCTCAGGGAACTTGTCTGTAGT
 CGCAGAGCTCTGTAACTTTGTATCCAGACAATCACTTTCTATACAATAAATTGTAAATGTTG
 CTGAAAAAAAAAAAAAAAAAAAAAAAAA (SEQ ID NO:5)

FIG. 4

GGTGGAGACTAAATATAATCTTTTATTTTATCGATGTTAACAAGCTTAGTAATCGATGCCACG
TCGAGGGGTGTCGACCCACGCGTCTCGCTTGCCTGTTCTTTTCCACGCATTTTCCAGGATA
ACTGTGACTCCAGGCCCGCAATGGATGCCCTGCAACTAGCAAATTCGGCTTTTGCCGTTGAT
CTGTTCAAACAACATATGTGAAAAGGAGCCACTGGGCAATGTCCTCTTCTCTCCAATCTGTCT
CTCCACCTCTCTGTCACTTGCTCAAGTGGGTGCTAAAGGTGACACTGCAAATGAAATTGGAC
AGGTTCTTCATTTTGAAAATGTCAAAGATGTACCCTTTGGATTTCAAACAGTAACATCGGATG
TAAACAACTTAGTTCCTTTTACTCACTGAACTAATCAAGCGGCTCTACGTAGACAAATCTC
TGAATCTTTCTACAGAGTTCATCAGCTCTACGAAGAGACCCTATGCAAAGGAATTGGAACT
GTTGACTTCAAAGATAAATTGGAAGAAACGAAAGGTCAGATCAACAACCAATTAAGGATCTC
ACAGATGGCCACTTTGAGAACATTTTAGCTGACAACAGTGTGAACGACCAGACCAAAATCCT
TGTGGTTAATGCTGCCTACTTTGTTGGCAAGTGGATGAAGAAATTTCTGAATCAGAAACAAA
AGAATGTCCTTTTCAGAGTCAACAAGACAGACACCAAAACCAGTGCAGATGATGAACATGGAGG
CCACGTTCTGTATGGGAAACATTGACAGTATCAATTGTAAGATCATAGAGCTTCTTTTCAA
ATAAGCATCTCAGCATGTTTCATCCTACTACCCAAGGATGTGGAGGATGAGTCCACAGGCTTG
GAGAAGATTGAAAAACAACCAACTCAGAGTCACTGTCACAGTGGACTAATCCCAGCACCAT
GGCCAATGCCAAGGTCAAACCTCTCCATTCCAAAATTTAAGGTGGAAAAGATGATTGATCCCA
AGGCTTGTCTGGAAAATCTAGGGCTGAAACATATCTTCAGCGAAGACACATCTGATTTCTCT
GGAATGTCAGAGACCAAGGGAGTGGCCCTATCAAATGTTATCCACAAAGTGTGCTTAGAAAT
AACTGAAGATGGTGGGGATTCCATAGAGGTGCCAGGAGCACGGATCCTGCAGCACAAGGAT
GAATTGAATGCTGACCATCCCTTTATTTACATCATCAGGCACAACAAAACTCGAAACATCATT
TTCTTTGGCAAATTCTGTTCTCCTTAAGTGGCATAGCCCATGTTAAGTCCTCCCTGACTTTTC
TGTGGATGCCGATTTCTGTAACTCTGCATCCAGAGATTCATTTTCTAGATACAATAAATTGC
TAATGTTGCTGGATCAGGAAGCCGCCAGTACTTGTATATGTAGCCTTCACACAGATAGACC
TTTTTTTTTTTTTCCAATTCTATCTTTTGTTTCTTTTCCCATAAGACAATGACATACGCTTTT
AATGAAAAGGAATCACGTTAGAGGAAAAATATTTATTCATTATTTGTCAAATTGTCCGGGGTA
GTTGGCAGAAATACAGTCTTCCACAAAGAAAATTCCTATAAGGAAGATTTGGAAGCTCTTCTT
CCCAGCACTATGCTTTCTTTCTTTGGGATAGAGAATGTTCCAGACATTCTCGCTTCCCTGAAA
GACTGAAGAAAGTGTAGTGCATGGGACCCACGAACTGCCCTGGCTCCAGTGAAACTTGGG
CACATGCTCAGGCTACTATAGGTCCAGAAGTCCTTATGTTAAGCCCTGGCAGGCAGGTGTTT
ATTAAAAATTCTGAATTTTGGGGATTTTCAAAGATAATATTTTACATACACTGTATGTTATAGAA
CTTCATGGATCAGATCTGGGGCAGCACCTTATAAATCACCACCTTAATATGCTGCAACAAAA
TGTAAGAATATTCAGACAAAATGGATACATAAAGACTAAGTAGCCCATAGGGGTCAAATTTTG
CTGCCAATGCGTATGCCACCAACTTACAAAACACTTCGTTGCGCAGAGCTTTTCAGATTGT

Fig. 5A

Variable	Mean	SD	Min	Max
Age	34.5	10.5	18	65
Gender	1.0	0.0	0	1
Marital status	1.0	0.0	0	1
Education	12.5	1.5	9	16
Income	1.5	0.5	1	2
Occupation	1.0	0.0	0	1
Religion	1.0	0.0	0	1
Health status	1.0	0.0	0	1
Smoking status	1.0	0.0	0	1
Alcohol consumption	1.0	0.0	0	1
Exercise frequency	1.0	0.0	0	1
Stress level	1.0	0.0	0	1
Life satisfaction	1.0	0.0	0	1
Overall health	1.0	0.0	0	1
Family size	1.0	0.0	0	1
Home ownership	1.0	0.0	0	1
Vehicle ownership	1.0	0.0	0	1
Travel frequency	1.0	0.0	0	1
Communication frequency	1.0	0.0	0	1
Work-life balance	1.0	0.0	0	1
Financial stability	1.0	0.0	0	1
Emotional stability	1.0	0.0	0	1
Physical stability	1.0	0.0	0	1
Social stability	1.0	0.0	0	1
Environmental stability	1.0	0.0	0	1
Healthcare access	1.0	0.0	0	1
Education access	1.0	0.0	0	1
Employment access	1.0	0.0	0	1
Recreation access	1.0	0.0	0	1
Community access	1.0	0.0	0	1
Government services	1.0	0.0	0	1
Public safety	1.0	0.0	0	1
Infrastructure quality	1.0	0.0	0	1
Environmental quality	1.0	0.0	0	1
Social equality	1.0	0.0	0	1
Economic growth	1.0	0.0	0	1
Technological advancement	1.0	0.0	0	1
Global peace	1.0	0.0	0	1
Human rights	1.0	0.0	0	1
Environmental protection	1.0	0.0	0	1
Sustainable development	1.0	0.0	0	1
Quality of life	1.0	0.0	0	1
Overall well-being	1.0	0.0	0	1

[illegible]

Figure 6

	Semaphorin D	Maspin	B94	mel-14 Antigen	24p3	Proliferin
Expression in EMT6 tumors	Up-regulated in CDDP resistant tumor	Down-regulated in CDDP resistant tumor	Up-regulated in CDDP resistant tumor	Up-regulated in CDDP resistant tumor	Up-regulated in CDDP resistant tumor	Up-regulated in CDDP resistant tumor
Expression in EMT6 cell lines	Remain up-regulated in CDDP resistant cell line to passage 13 (passage 3, 6, 10, and 13 checked)	Remain down-regulated in CDDP resistant cell line to passage 3	Remain up-regulated in CDDP resistant cell line to passage 10	Remain up-regulated in CDDP resistant cell line to passage 10	Remain up-regulated in CDDP resistant cell line to passage 10	Remain up-regulated in CDDP resistant cell line to passage 10
Expression in multi-cell line pairs (A2780, UCLA, U937, HL60, SCC25 pairs)	Highly expressed in SCC25 CDDP cell line, not significantly expressed in other cell line pairs.	Highly expressed in SCC25 wild type cell line (and HL60 AD cell line), not significantly expressed in other cell line pairs.	Differentially expressed in HL60 cell lines (lower in resistant cell line).	Differentially expressed in HL60 cell lines (high in HL60Rev, low in HL60AD)	Slightly up-regulated in SCC25 CDDP cell line; not significantly differentially expressed in other cell line pairs.	Slightly up-regulated in A2780AD and SCC25 CDDP cell lines; Not significantly differentially expressed in other cell line pairs.